SONY VAIO

VGN-AR590E

VAIO® AR Digital Studio™ Notebook PC

The Premier Blu-ray Disc™ enabled Entertainment Notebook PC.

MULTIMEDIA POWERHOUSE WITH 17" DISPLAY[2]

The VAIO® AR notebook combines the convenience and portability of a notebook with the power and performance of a desktop. Featuring a full-sized keyboard and stunning 17" widescreen display[2], this multimedia powerhouse is the perfect productivity and entertainment companion. With spectacular XBRITE-HiColor™ LCD technology, the massive widescreen improves color contrast in your images, video and television content, delivering the ultimate HD viewing experience.

BLU-RAY DISC™ -ENABLED NOTEBOOK

The VAIO® AR notebook is the premier Blu-ray Disc™ -enabled PC, with the ability to play, record, and re-write Blu-ray Disc™ media[1],[3]. With Blu-ray Disc capabilities, you can enjoy stunning HD video in crystal-clear, flicker-free, mind-blowing resolution or record 25-50GB of video, pictures or data to a single Blu-ray Disc media - that's five times the capacity of standard DVDs. The VAIO AR notebook also offers end-to-end support for High-Def (1080i) compatible HDV camcorders and a suite of video applications that let you capture, edit and burn content to Blu-ray Disc media in full 1080i resolution without downgrading video quality and integrity.

XBRITE-HICOLOR™ LCD TECHNOLOGY

The VAIO® AR notebook features a stunning 17" widescreen display[2] with Sony's original XBRITE-HiColor™ LCD technology, our best LCD technology to date. XBRITE-HiColor™ technology improves color contrast in your video and images to deliver deep blacks and bright whites, true-to-life color, and razor-sharp detail. And with glare filter and anti-reflective coating to minimize reflection, you'll experience a beautifully clear image, whether you're playing a movie, enjoying family photos, watching TV or surfing the web.

NEXT-GENERATION 802.11N WIRELESS TECHNOLOGY

Introducing the next great advancement in wireless technology, 802.11n. With built-in 802.11n wireless LAN technology[3], the VAIO® AR notebook lets you wirelessly surf the web and e-mail[3] with greater performance, range and reliability than ever before. 802.11n offers a massive boost in speed and considerably more range than 802.11a/b/g when connected to compatible hotspots. Connect to compatible hot spots with ease and experience the incredible difference of 802.11n. You can even wirelessly stream video throughout your home or office with blazing-fast speed[3]. 802.11n is backward compatible with existing networks, so there is no need for any additional hardware or cables, it's all built-in.

The VAIO® AR590E notebook is a Full 1080 HD multimedia powerhouse with Blu-ray Disc™ technology, DVR capabilities and a 17" widescreen display[2] with XBRITE-HiColor™ LCD technology. Watch Blu-ray Disc movies1 in stunning HD clarity, record3 25-50GB of content to a single Blu-ray Disc media and even watch, record and manage cable TV content[6].

Windows Vista Home Premium

intel Centrino Duo Core 2 Duo inside

Blu-ray Disc™

XBRITE-HiColor™

dlna CERTIFIED

Click to DVD

Bluetooth

like.no.other™

VGN-AR590E

VAIO® AR Digital Studio™ Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Desktop Replacement
Action Buttons: S1, S2, AV Mode, Volume, Mute, Eject, Play/Pause/Stop, Wireless LAN On/Off, FF, Rewind,
Pointing Device: Electro-Static touch pad

Hardware

Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch
Camera: Built-in camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor T7300
Speed: 2GHz[1]
Front Side Bus Speed: 800MHz
L2 Cache: 4MB Advanced Smart Cache
Technology: Intel® Centrino® Duo processor technology

Memory

Type: DDR2 SDRAM
Installed: 2GB (1GBx2) PC2-5300
Maximum: 4GB[20]
Speed: 667MHZ

Hard Drive

Capacity: 320GB[2] (160GBx2) in RAID 0
Speed: 5400rpm
Interface: Serial ATA

Optical Drive #1

DVD+R DL Write: 2.4x max.
DVD+R Write: 8x max.
DVD+RW Write: 4x max.
DVD-R Write: 8x max.
DVD-RW Write: 4x max.
CD-R Write: 8x max.
CD-RW Write: 8x max.
DVD±RW: Yes[4]
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 2x max.
BD-R Read: 2x max.
BD-R Write: 2x max.[15]
BD-RE Write: 2x max.[15]
BD-ROM Read: 2x max.
BD-RE Read: 2x max.
BD-R DL Read: 1.6x max.
BD-R DL Write: 1x max.[15]
DVD-RAM Read: 5x max.
Blu-Ray Disc™ Support: Yes[14] (BD-RE/DVD±R DL/DVD±RW)
BD-RE DL Read: 1.6x max.
BD-RE DL Write: 1x max.[15]

Expansion Slots

Multimedia Card Reader: Supports optional Memory Stick® media and Memory Stick DUO™ media[5] with MagicGate® functionality and Secure Digital Media (SD)

One PCMCIA - Type II/Type I card slot with CardBus support

One ExpressCard™ /54 Slot

Audio

Sound System: Sony® Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WUXGA
Screen Size: 17"[8]
Resolution: 1920x1200
XBRITE-HiColor™ Technology: Yes

Graphics

Processor: NVIDIA® GeForce® 8600M GT notebook graphics processing unit (GPU)
Video RAM: 1023MB Total Available Graphics Memory[16]
Interface: VGA out w/ Smart Display Sensor, HDMI™ out and S-Video out
TV Tuner: Yes - ATI TV Wonder™ Digital Cable Tuner (NTSC and ATSC Support)

Inputs and Outputs

Ethernet Port: 1
HDMI™ Connection Output(s): 1
Headphone Jack: 1
i.LINK® Interface: 1 (4pin) i.LINK® connector (IEEE 1394)[6]
Memory Stick® Media Slot: 1
Modem Jack: 1
Secure Digital Slot: 1
Microphone Input: 1
S-Video Input(s): 1
S-Video Output(s): 1
USB Port(s): 3 (2.0 ports)
VGA Output(s): 1
DC-In: 1
S/PDIF Output(s): 1
Express Card™ Slot: /54 x 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX
Modem Type: Integrated V.92/V.90 Modem with (RJ-11)
Wireless LAN: Intel® PRO/Wireless 4965AGN Network Connection (802.11a/b/g/n)[3]
Bluetooth® Technology: Integrated Bluetooth® Technology[10]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS2C)
Estimated Battery Life: 1.5-3.0 hours[7] with standard battery
Power Requirements: 150W+10%

Software

Operating System: Windows Vista™ Home Premium
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft® Works 8.5

60-Day Trial Version of Microsoft® Office 2007 [13]

Adobe® Photoshop® Elements 5.0

Adobe® Premiere Elements 3.0

InterVideo® WinDVD BD

Ulead® BD Disc Recorder
Sony® Original Software: Click to DVD®- DVD Creation, LocationFree® Player

*Please access VAIO® Help and Support from your PC for a complete list of software applications

and trials.
Security and Anti-Virus Software: Norton® Internet Security™ 2007 60-Day trial with spyware protection

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[11]
Limited Warranty and Onsite Service: 1 Year Limited Warranty with Onsite Service[9]
Online and Email Support: Support available from http://www.esupport.sony.com

Dimensions

Weight: 8.4 lbs. (weight is approximate and may vary)
Measurements: 16.4"(W) x 1.32"(H) x 11.8"(D)

Supplied Accessories

Standard Lithium-ion Battery (VGP-BPS9A/B)
AC Adapter (VGP-AC19V15)
Remote Control/IR Receiver
Power Cord
RF Cable
HDMI Cable
HDMI to DVI-D Adapter
Assorted Blu-ray Disc™ Titles and Discs (Available only with new units and while supplies last.)
External ATSC Digital TV Tuner
ATI TV Wonder™ Digital Cable Tuner

Optional Accessories

Additional Standard Capacity Battery (VGP-BPS9A/B)
Large Capacity Battery (VGP-BPL9)
Additional AC Adapter (VGP-AC19V15)
USB Laser Mouse (VGP-UMS55/B)
Wireless Presentation Mouse (VGP-WMS50A)
All-in-one 2.1 Channel Speaker (VGP-SP100)
Universal Carrying Case (VGP-AMB1)
Notebook Roller Case (VGP-AMB6)
17" Neoprene Notebook and AC Adapter Case (VGP-AMC2)
USB Floppy Drive (VGP-UFD1)

Color: Glossy Piano Black
UPC Code: 027242715394

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires compatible wireless LAN access point. Internet connection may require fees.
4. DVD Media/Formats are not universally compatible.
5. Supports Memory Stick PRO™ high-capacity media tested up to 1GB. Does not support MagicGate® functionality.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions.
8. Viewable area measured diagonally.
9. When available, Sony will provide Onsite Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite Service may not be available in all locations.
10. Use of this Bluetooth enabled product with other devices may vary as not all Bluetooth devices are compatible.
11. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
12. Broadband internet service required along with third party services which may require a subscription or other service fee.
13. The Microsoft® Office 2007 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
14. As with other optical media devices, circumstances may limit compatibility or prevent Blu-ray Disc™ media playback. VAIO computers may not support movie playback on packaged media recorded in AVC or VC1 formats at high bit rates.
15. Video recording to Blu-ray Disc™ media is done in MP2 format only.
16. Total Available Graphics Memory refers to the new Windows Vista™ classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory varies depending on the operating condition and system memory size.
17. With HDTV 1080p display
18. The digital TV tuner supports a CableCARD™ removable security module. Contact your cable operator to receive a CableCARD compatible with your operator's network (additional charges may apply). Not all functions that are available when using a set-top box provided by your cable operator will be supported by CableCARD (e.g., video-on-demand and pay-per-view functionality may not be supported). Premium HD programming requires additional subscription fee.
19. As with other optical media devices, circumstances may limit compatibility or prevent Blu-ray Disc™ playback. VAIO® computers may not support movie playback on packaged media recorded in AVC or VC1 formats at high bit rates
20. A portion of the system memory over 3GB available to the operating system.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate and may vary.

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